

FORTHCOMING EVENTS

[Meetings marked with an asterisk are open to the public.]

Tuesday, May 14

ROYAL SANITARY INSTITUTE, at 5 p.m.—Lieut.-Colonel J. A. Dixon: "Centralized Slaughtering" (Benjamin Ward Richardson Lecture).

ROYAL INSTITUTION, at 5.15 p.m.—Sir Frederick Keeble, F.R.S.: "The Development of the Home Production of Food".*

Thursday, May 16

ROYAL COLLEGE OF SURGEONS OF ENGLAND, at 4 p.m.—Prof. A. D. Macdonald: "Experimental Spinal Anaesthesia".

CHEMICAL SOCIETY (at the Institution of Mechanical Engineers), at 6 p.m.—Prof. W. N. Haworth, F.R.S.: "Recent Developments in the Chemistry of Carbohydrates" (Seventh Pedler Lecture).

Friday, May 17

FARADAY SOCIETY (at the Royal School of Mines), at 2.30 p.m.—General Discussion on "The Hydrogen Bond".

(Speakers—Dr. W. T. Astbury, F.R.S.: "The Hydrogen Bond in Protein Structure"; Dr. C. E. H. Bawn, Prof. E. L. Hirst, F.R.S., and Dr. G. T. Young: "The Nature of the Bonds in Starch"; Dr. J. J. Fox and Dr. A. E. Martin: "Infra-Red Absorption of Hydroxyl Group in Relation to Inter- and Intramolecular Hydrogen Bonds"; Dr. J. M. Robertson: "X-Ray Evidence for the Hydrogen Bond"; Dr. G. B. B. M. Sutherland: "The Investigation of Hydrogen Bonds by Means of Infra-Red Spectra").

ROYAL INSTITUTION, at 9 p.m.—Prof. D. R. Hartree, F.R.S.: "A Great Calculating Machine; the Bush Differential Analyser and its Applications in Science and Industry."

ASSOCIATION OF TEACHERS IN TECHNICAL INSTITUTIONS (Thirty-first Annual Conference, at the Hotel Russell, Russell Square, London), May 11–12.

May 12, at 10 a.m.—S. H. Moorfield: Presidential Address.

APPOINTMENTS VACANT

APPLICATIONS are invited for the following appointments on or before the dates mentioned:

ASSISTANT IN THE BACTERIOLOGY LABORATORY at Wray Castle—The Director, Freshwater Biological Association, Wray Castle, Ambleside, Westmorland (May 14).

PART-TIME EDUCATIONAL PSYCHOLOGIST—The Director of Education, Education Offices, 15 John Street, Sunderland (May 15).

LECTURER IN ELECTRICAL ENGINEERING SUBJECTS at the Cardiff Technical College—The Director of Education, City Hall, Cardiff (May 16).

DIRECTOR OF EDUCATION AND INSPECTOR OF SCHOOLS in the County Borough of Barnsley—The Director of Education, Education Department, Town Hall, Barnsley (May 17).

CONSTRUCTION ENGINEER FOR THE IRRIGATION DEPARTMENT, Government of Ceylon—The Crown Agents for the Colonies, 4 Millbank, S.W.1 (quoting M/9322) (May 17).

DEMONSTRATORS (MALE) IN THE DEPARTMENT OF ANATOMY—The Secretary, King's College, Strand, W.C.2 (May 23).

TEACHER FOR COLOMBO-BRITISH INSTITUTE, BOGOTA—The British Council, 3 Hanover Street, W.1 (quoting 'Colombia') (May 25).

LECTURER IN CIVIL ENGINEERING—The Registrar, King's College, Newcastle-upon-Tyne (May 31).

LECTURER IN PLANT PATHOLOGY AND ZOOLOGY—The Principal, Swanley Horticultural College for Women, Swanley, Kent (May 31).

ASSISTANT IN THE DEPARTMENT OF EDUCATION—The Secretary, Queen's University, Belfast.

TECHNICAL OFFICERS—The Chief Superintendent, Royal Aircraft Establishment, South Farnborough, Hants. (quoting Ref. A.500).

ASSISTANTS I (Ref. A.501), ASSISTANTS II (Ref. A.502), and ASSISTANTS III (Ref. A.503)—The Chief Superintendent, Royal Aircraft Establishment, South Farnborough, Hants. (quoting appropriate Ref. number).

ASSISTANT ENGINEER for the Malayan Public Works Service—The Crown Agents for the Colonies, 4 Millbank, S.W.1 (quoting M/9300).

REPORTS AND OTHER PUBLICATIONS

(not included in the monthly Books Supplement)

Great Britain and Ireland

Abstracts of Dissertations approved for the Ph.D., M.Sc., and M.Litt. Degrees in the University of Cambridge during the Academic Year 1938–1939. (Published by Authority.) Pp. 162. (Cambridge: Printed at the University Press.) [94]

Reports of the Progress of Applied Chemistry. (Issued by the Society of Chemical Industry.) Vol. 24, 1939. Pp. 756. (London: Society of Chemical Industry.) [94]

Scientific Proceedings of the Royal Dublin Society. Vol. 22 (N.S.), No. 22: The Requirements of the Pig for Vitamins A and D. By Brendan J. Senior. Pp. 229–236 + plate 6. 1s. Vol. 22 (N.S.), No. 23: The Chemical Constituents of the Lichen *Parmelia latissima* Fée. Dr. T. J. Nolan, Dr. J. Keane and V. E. Davidson. Pp. 237–240. 6d. (Dublin: Hodges, Figgis and Co., Ltd.; London: Williams and Norgate, Ltd.) [94]

Publications of the International Tin Research and Development Council. No. 96: The Determination of Tellurium in Tin-Rich Alloys. By Dr. W. T. Pell-Walpole. Pp. 4. (Greenford: International Tin Research and Development Council.) Free. [104]

Imperial Forestry Institute: University of Oxford. Fifteenth Annual Report, 1938–39. Pp. 38. (Oxford: Imperial Forestry Institute.) [104]

Other Countries

U.S. Department of the Interior: Geological Survey. Water-Supply Paper 780: Geology and Ground-Water Hydrology of the Mokelumne Area, California. By A. M. Piper, H. S. Gale, H. E. Thomas and T. W. Robinson. Pp. vii + 230 + 22 plates. 2.25 dollars. Water-Supply Paper 821: Surface Water Supply of the United States, 1937. Part 1: North Atlantic Slope Basins. Pp. viii + 441 + 1 plate. 50 cents. Water-Supply Paper 850: Summary of Records of Surface Waters, 1898–1937. By C. E. Ellsworth. Pp. vi + 154. 20 cents. (Washington, D.C.: Government Printing Office.) [84]

South Australia. Annual Report of the Director of Mines and Government Geologist for 1938. Pp. 8. (Adelaide: Government Printer.) [84]

University of Illinois: Engineering Experiment Station. Bulletin No. 318: Investigation of Oil-Fired Forced-Air Furnace Systems in the Research Residence. By Prof. Alonzo P. Kratz and Prof. Seichi Konzo. Pp. 88. 90 cents. Bulletin No. 319: Laminar Flow of Sludges in Pipes with Special Reference to Sewage Sludge. By Prof. Harold E. Babbitt and David H. Caldwell. Pp. 58. 70 cents. Bulletin No. 320: The Hardenability of Carburizing Steels. By Prof. Walter H. Bruckner. Pp. 62. 70 cents. Circular No. 40: German-English Glossary for Civil Engineering. By Alphonse A. Brielmaier. Pp. 38. 45 cents. (Urbana, Ill.: University of Illinois Engineering Experiment Station.) [84]

Annuaire de l'Académie Royale de Belgique, 1940. (Cent-sixième année.) Pp. 170 + 45 + 2 plates. (Bruxelles: Académie Royale de Belgique.) [84]

Publications of the Dominion Astrophysical Observatory. Vol. 7 No. 9: The Mass Ratio of the Lithium Isotopes from the Red Bands of Li₂. By Andrew McKellar and F. A. Jenkins. Pp. 155–188. (Victoria, B.C.: Dominion Astrophysical Observatory.) [84]

Memoirs of the India Meteorological Department. Vol. 27, Part 1: A Study of the Duststorms of Agra. By B. N. Sreenivasaiiah and N. K. Sur. Pp. 30 + 10 plates. (Delhi: Manager of Publications.) 1.12 rupees; 2s. 6d. [84]

Ministry of Public Health, Egypt: The Research Institute and the Endemic Diseases Hospital. Sixth Annual Report, 1936. Pp. vii + 63 + 12 plates. (Cairo: Government Press.) [84]

The Engineering Foundation. Twenty-five Years of Service, 1914–1939. Pp. 86. (New York: The Engineering Foundation.) [84]

Department of Science and Agriculture, Jamaica. Bulletin No. 18: Reprints of Miscellaneous Articles, 1937. Pp. 56. 6d. Bulletin No. 20: Field Experiments on Sugar Cane in Jamaica, 1936–39. Report by H. H. Croucher and M. S. Goodman. Pp. 20. 6d. Bulletin No. 21: Forestry and Erosion in Haiti and Puerto Rico. By C. Swabey. Pp. 12 + 9 plates. 6d. (Kingston: Government Printing Office.) [84]

Indian Forest Records (New Series). Silviculture, Vol. 4, No. 2: An Investigation into the Relative Merits and Costs of Five Different Weeding Methods in the Formation of Teak (*Tectona grandis*) Plantations in areas having a West Coast Type of Climate. By A. L. Griffith. Pp. v + 97–132 + 2 plates. (Delhi: Manager of Publications.) 1.10 rupees; 2s. 6d. [114]

Catalogues

Annotated Catalogue of Works on Exact Science. (Sothoran's Price Current of Literature, No. 864.) Pp. 160. (London: Henry Sothoran, Ltd.)

Books, Prints and Autographs on the Theatre, including the Circus, Pantomimes, Exhibitions, Showmanship and Pleasure Gardens. (Catalogue No. 648.) Pp. 46. (London: Francis Edwards, Ltd.)

Bromethol B.D.H.: a British Basal Anaesthetic for use by Rectal Injection. Pp. 2. (London: The British Drug Houses, Ltd.)

Diet, Nutrition and Therapeutics. Pp. 12 + 2 plates. (London: Vitamins, Ltd.)

"Technico" Laboratory Protective Paints, etc. (Publication No. 362.) Pp. 4. (London: A. Gallenkamp and Co., Ltd.)

Kodak D-19b X-Ray Developer. Pp. 4. (London: Kodak, Ltd.)